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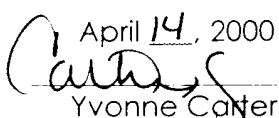
APR 2 1999

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C-1644
20X 28 R

Patent Docket P1085R4-1A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Vanessa Hsei et al. Serial No.: 09/234,182 Filed: 20 January 1999 For: ANTIBODY FRAGMENT-POLYMER CONJUGATES AND HUMANIZED ANTI-IL-8 MONOCLONAL ANTIBODIES	 Group Art Unit: 1644 Examiner: M. DiBrino
CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on April 14, 2000  Yvonne Carter	

TRANSMITTAL LETTER

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Transmitted herewith are the following documents:

1. Postcard
2. Notice to Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures. (Copy)
3. Preliminary Amendment and Response to Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures
4. Certificate Re: Sequence Listing - Response Under 37 CFR §1.821(f) and (g)
5. Sequence Listing (hard copy)
6. Sequence Listing in Computer Readable Form (CRF)

In the event any additional fees are due in connection with the filing of these documents, the Commissioner is authorized to charge such fees to our Deposit Account No. 07-0630.

Respectfully submitted,

GENENTECH, INC.

Date: April 14, 2000

By: 

Richard B. Love
Reg. No. 34,659

1 DNA Way
So. San Francisco, CA 94080-4990
Phone: (650) 225-5530
Fax: (650) 952-9881

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MAR 27 2000

GENENTECH, INC.
LEGAL DEPT.



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

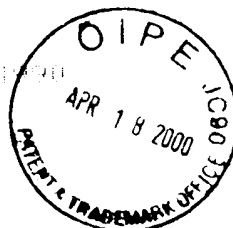
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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COPY

EXAMINER

RECEIVED
GENENTECH, INC.
LEGAL DEPT.



ART UNIT	PAPER NUMBER
----------	--------------

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

22 APR 00



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.



EXAMINER	
ART UNIT	PAPER NUMBER

DATE MAILED:

Please find below a communication from the **EXAMINER** in charge of this application

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures. See the attached copy of the marked-up "Raw Sequence Listing."

Any inquiry concerning this communication should be directed to Examiner **Marianne DiBrino**, Art Unit **1644**, whose telephone number is **703-305-1987**.

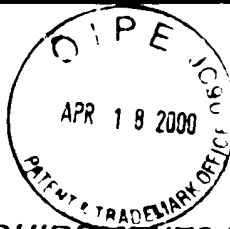
Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

APPLICANT IS GIVEN A ONE MONTH EXTENDABLE PERIOD WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136. In no case may an applicant extend the period for response beyond the six month statutory period. Applicant is requested to return a copy of the attached Notice to Comply with the response.

Marianne DiBrino

Marianne DiBrino, Ph.D.
March 19, 2000

Christina Y. Chan
CHRISTINA Y. CHAN
SUPERVISORY PATENT EXAMINER
GROUP 1800-7640



Application No.: 09/234,182

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s)

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An ~~initial~~ initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An ~~initial~~ initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For Patent/In software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

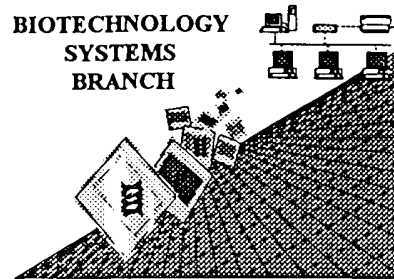
COPY FOR [] File [☒] Applicant

return *Dibrino*

RAW SEQUENCE LISTING ERROR REPORT



BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/234,182

Art Unit / Team No. : 1600

Date Processed by STIC: 1/29/99

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

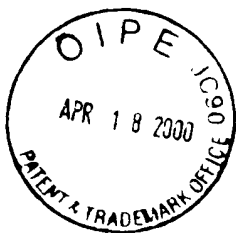
RAW SEQUENCE LISTING
PATENT APPLICATION US/09/234,182

OIPE

re-run

DATE: 01/29/1999
TIME: 13:42:11

INPUT SET: S30387.raw



This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

SEQUENCE LISTING

Does Not Comply
Corrected Diskette Needed

- 1
2
3 (1) General Information:
4
5 (i) APPLICANT: Genentech, Inc., Hsei, Vanessa
6 Koumenis, Iphigenia
7 Leong, Steven R.
8 Presta, Leonard G.
9 Shahrokh, Zahra
10 Zapata, Gerardo A.
11
12 (ii) TITLE OF INVENTION: ANTIBODY FRAGMENT-POLYMER CONJUGATES AND
13 HUMANIZED ANTI-IL-8 MONOCLONAL ANTIBODIES
14
15 (iii) NUMBER OF SEQUENCES: 72
16
17 (iv) CORRESPONDENCE ADDRESS:
18 (A) ADDRESSEE: Genentech, Inc.
19 (B) STREET: 1 DNA Way
20 (C) CITY: South San Francisco
21 (D) STATE: California
22 (E) COUNTRY: USA
23 (F) ZIP: 94080
24
25 (v) COMPUTER READABLE FORM:
26 (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
27 (B) COMPUTER: IBM PC compatible
28 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
29 (D) SOFTWARE: WinPatin (Genentech)
30
31 (vi) CURRENT APPLICATION DATA:
32 (A) APPLICATION NUMBER:
33 (B) FILING DATE: 20-Jan-1999
34 (C) CLASSIFICATION:
35
36 (vii) PRIOR APPLICATION DATA:
37 (A) APPLICATION NUMBER: 60/074330
38 (B) FILING DATE: 22-JAN-1998
39
40 (vii) PRIOR APPLICATION DATA:
41 (A) APPLICATION NUMBER: 60/094003
42 (B) FILING DATE: 24-JUL-1998
43
44 (vii) PRIOR APPLICATION DATA:
45 (A) APPLICATION NUMBER: 60/094013



RAW SEQUENCE LISTING

PATENT APPLICATION US/09/234,182

DATE: 01/29/1999
TIME: 13:42:11

INPUT SET: S30387.raw

46 (B) FILING DATE: 24-JUL-1998
47
48 (vii) PRIOR APPLICATION DATA:
49 (A) APPLICATION NUMBER: 60/075467
50 (B) FILING DATE: 20-FEB-1998
51
52 (viii) ATTORNEY/AGENT INFORMATION:
53 (A) NAME: Love, Richard B.
54 (B) REGISTRATION NUMBER: 34,659
55 (C) REFERENCE/DOCKET NUMBER: P1085R4-1A
56
57 (ix) TELECOMMUNICATION INFORMATION:
58 (A) TELEPHONE: 650/225-5530
59 (B) TELEFAX: 650/952-9881

ERRORED SEQUENCES FOLLOW:

409 (2) INFORMATION FOR SEQ ID NO:22:

410

411 (i) SEQUENCE CHARACTERISTICS:

412 (A) LENGTH: 21 base pairs

--> 413 (B) TYPE: DNA *nucleic acid*

414 (C) STRANDEDNESS: Single

415 (D) TOPOLOGY: Linear

416

417 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:

418

419

420 CCACTAGTAC GCAAGTTCAC G 21

421

1151 (2) INFORMATION FOR SEQ ID NO:47:

1152

1153 (i) SEQUENCE CHARACTERISTICS:

1154 (A) LENGTH: 109 amino acids

--> 1155 (B) TYPE: PRT *amino acid*

1156 (D) TOPOLOGY: Linear

1157

1158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:47:

1159

1160 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val

1161 1 5 10 15

1162

1163 Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Lys Thr Ile Ser

1164 20 25 30

1165

1166 Lys Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys

1167 35 40 45

1168

1169 Leu Leu Ile Tyr Tyr Ser Gly Ser Thr Leu Glu Ser Gly Val Pro

*"DNA" is only used under new
Ruler format*

RAW SEQUENCE LISTING PATENT APPLICATION US/09/234,182

DATE: 01/29/1999
TIME: 13:42:11

INPUT SET: S30387.raw

```

1170          50          55          60
1171
1172 Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
1173          65          70          75
1174
1175 Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln
1176          80          85          90
1177
1178 Gln His Asn Glu Tyr Pro Leu Thr Phe Gly Gln Gly Thr Lys Val
1179          95          100         105
1180
1181 Glu Ile Lys Arg
1182 102 only number the amino acids under every 5.
1183                                amino acid

```

1250 (2) INFORMATION FOR SEQ ID NO:50:

1251

(i) SEQUENCE CHARACTERISTICS:

1253 (A) LENGTH: 116 amino acids

--> 1254 (B) TYPE: PRT

1255 (D) TOPOLOGY: Linear

1256

1257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:50:

1258

1259 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly

1260 1 5 10 15

1261

1262 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Thr

1263 20 25 30

1264

1265 Gly His Trp Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu

1266 35 40 45

1267

1268 Glu Trp Val Gly Met Ile His Pro Ser Asp Ser Glu Thr Arg Tyr

1269 50 55 60

1270

1271 Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser

1272 65 70 75

1273

1274 Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

1275 80 85 90

1276

1277 Thr Ala Val Tyr Tyr Cys Ala Ala Arg Gly Ile Tyr Phe Tyr Gly

1278 95 100 105

1279

1280 Thr Thr Tyr Phe Asp Tyr Trp Gly Gln Gly Thr

1281 110 115 ~~116~~

1282

PAGE: 1



SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/234,182

DATE: 01/29/1999
TIME: 13:42:12

INPUT SET: S30387.raw

Line	Error	Original Text
413	Wrong or Missing Sequence Type	(B) TYPE: DNA
1155	Wrong or Missing Sequence Type	(B) TYPE: PRT
1254	Wrong or Missing Sequence Type	(B) TYPE: PRT